

云南姜花属二新种*

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TWO NEW SPECIES OF *HEDYCHUM* FROM YUNNAN, CHINA

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关键词 姜花属; 思茅姜花; 普洱姜花

1 思茅姜花 新种 图 1

Hedychium simaoense Y. Y. Qian, sp. nov. (Subgen. *Euosmianthus*)

Species affinis *H. coccineo* Buch.-Ham., sed foliis subtus villosis, floribus albis vel luteis, corollae lobis 4.3~4.7 cm longis, staminodiis lateralibus oblanceolatis, 2.9~3.3 cm longis differt.

Caulis 1.8 m altus, sparse villosus. Folia anguste linearia, 10~50 cm longa, 1.5~1 cm lata, apice caudata, basi angustata vel rotundata, supra glabra, subtus villosa, sessilia; ligulae 1~2.5 cm longae. Spicae cylindricae, 20~35 cm longae, 15~22 cm diam, rachides dense villosae; bractae longe ovatae, apice obtusae, 4~5 cm longae; flores in quaque bractea tres, albi vel lutei; calyx 3~3.5 cm longus, apice 3-dentatus, extra villosus; corollae tubus pallide purpureus, 3.5~4.2 cm longus, lobis luteis, linearibus, 4.3~4.7 cm longis, involutis, pendulis; staminodia lateralia alba vel lutea, basi pallide purpurea, oblanceolata, 2.9~3.3 cm longa; labellum album vel luteum, basi pallide purpureum, rotundum, 2.2~2.5 cm diam, bipartitum, basi stipitatum; filamentum purpureum, 5~5.5 cm longum; anthera purpurea vel aurantiaca, 1~1.2 cm longa; ovarium dense sericeum, 2.5~3 mm longum. Capsulae ovato-globosae vel ovatae, 1.3~3 cm longae, 1~1.7 cm diam, semina rubra.

Yunnan(云南); Simao(思茅), alt. 1400 m, in forests, 1988-08-26, Y. Y. Qian 1804 (holotype, SMAO), 1810 (IBSC), 1837, 1894, 1904.

茎高 1.8 m, 被稀疏长柔毛。叶片狭线形, 长 10~50 cm, 宽 1.5~7 cm, 顶端尾尖, 基

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部渐狭或近圆形,上面无毛,叶背被长柔毛,无柄;叶舌长1~2.5 cm。穗状花序圆筒形,长20~35 cm,径15~22 cm;花序轴密被长柔毛;苞片长卵形,顶端钝,长4~5 cm。花在一苞片内有3朵,白色或黄色;花萼长3~3.5 cm,顶端具3齿,外面被长柔毛;花冠管淡紫红色,长3.5~4.2 cm,裂片黄色,线形,长4.3~4.7 cm,内卷,下垂;侧生退化雄蕊白色或黄色,基部淡紫红色,倒披针形,长2.9~3.3 cm;唇瓣白色或黄色,基部淡紫红色,近圆形,径2.2~2.5 cm,深2裂,基部具瓣柄;花丝紫红色,长5~5.5 cm;花药紫红色或橙黄色,长1~1.2 cm;子房密被绢毛,长2.5~3 mm。蒴果卵圆形或卵形,长1.3~3 cm,径1~1.7 cm;种子红色。

本种与红姜花 *H. coccineum* Buch.-Ham. 相近,但叶背被长柔毛,花白色或黄色,花冠裂片长4.3~4.7 cm,侧生退化雄蕊倒披针形,长2.9~3.3 cm,易于区别。

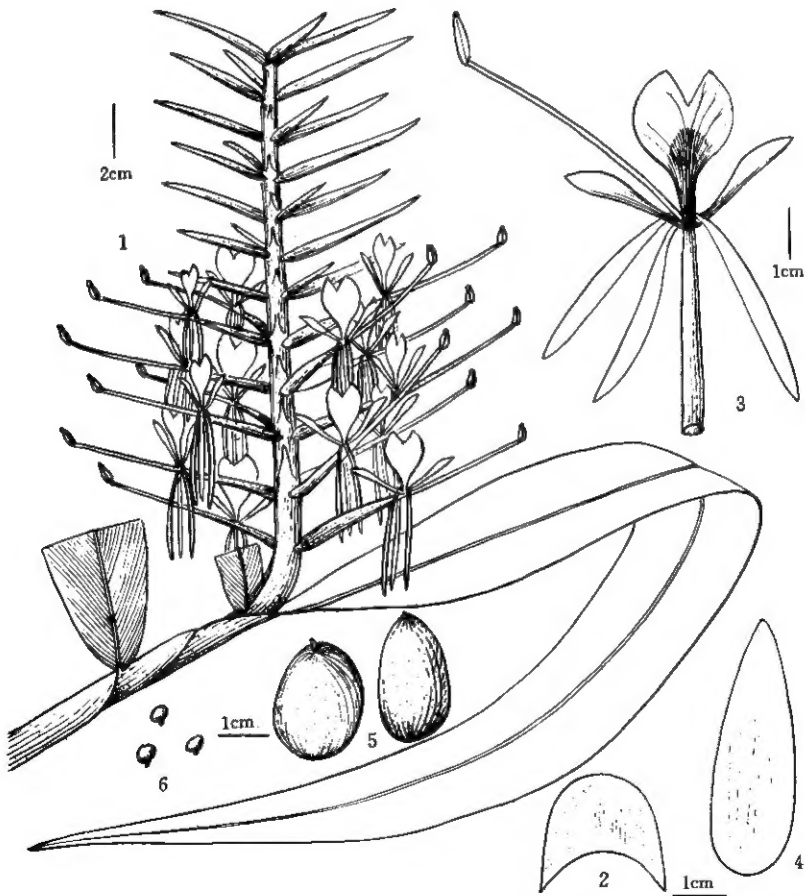


图1 思茅姜花 1. 花株; 2. 叶舌; 3. 花, 花冠裂片展开; 4. 苞片; 5. 蒴果; 6. 种子。

Fig. 1 *Hedychium sinaoense* 1. flowering plant; 2. ligule; 3. flower with corolla lobes opened; 4. bract; 5. capsules; 6. seeds.

2 普洱姜花 新种 图2

Hedychium puerense Y. Y. Qian, sp. nov. (Subgen, *Euosmianthus*)

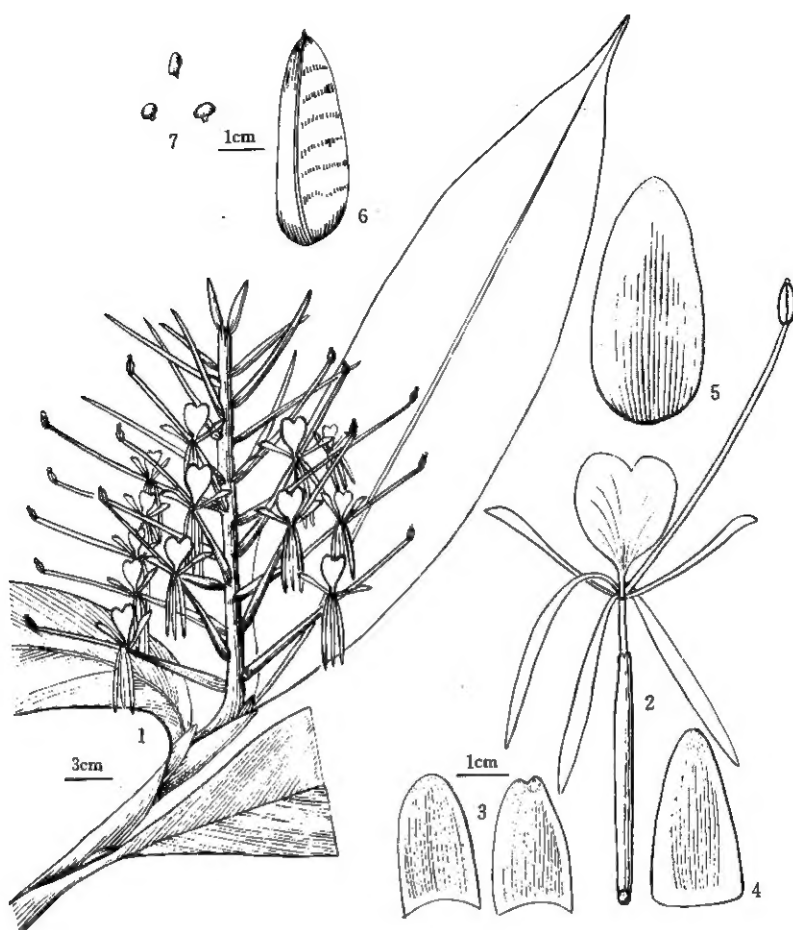


图2 普洱姜花 1. 花株; 2. 花, 花冠裂片已展开; 3. 叶舌; 4. 小苞片; 5. 苞片; 6. 蒴果; 7. 种子。

Fig. 2 *Hedychium puerense* 1. flowering plant; 2. flower with corolla lobes opened; 3. ligules; 4. bracteole; 5. bract; 6. capsule; 7. seeds.

Proximum *H. tienlinensi* D. Fang, a quo ligulis dense villosis, spicis 26~52 cm longis, bracteis anguste ovatis, 4.5~5.5 cm longis, floribus in quaque bractea 6, corollae lobis 3.5~4.2 cm longis, filamentis albis, 5.8~6.8 cm longis, antheris albis differt.

Caulis 1.2~2 m altus, Folia elliptico-lanceolata vel oblongo-lanceolata, 6~63 cm longa, 3~18 cm lata, apice caudata, basi cuneata vel rotundata, supra glabra, subtus villosa, sessilia; ligulae 1.8~3.8 cm longae, dense villosae. Spicae cylindricae, 26~52 cm longae, 16~23 cm diam; rachides dense villosae; bractea anguste ovatae, 4.5~5.5 cm longae, 1.5~2 cm latae, floribus in quaque bractea 6, raro 2~5 vel 7~8; bracteolae 1.5~3.5 cm longae; calyx 4.4~4.8 cm longus; corollae tubus albus, 5.2~6 cm longus, lobis viridulis linearibus 3.5~4.2 cm longis; Staminodia lateralibus, alba 2.5~3 cm longa; labellum rotundum, album ad centrum et basi luteolum 2~2.2 cm longum, 1.8~2 cm latum, bipartitum, basi stipitatum; filamentum album, 5.8~6.8 cm longum; anthera alba 1~1.5 cm

longa; ovarium dense villosum, 4~5 mm longum. Capsulae longe ovatae, obtuse trigonae, 2.5~4 cm longae, villosae; semina rubra.

Yunnan (云南): Simao (思茅), alt. 1300~1600 m, in forests, Y. Y. Qian 547, 1821, 1895; Puer (普洱), 1988-09-02, Y. Y. Qian 1812 (holotype, SMAO), 1813 (IBSC), 1808.

茎高 1.2~2 m。叶片椭圆状披针形或长圆状披针形,长 6~63 cm,宽 3~18 cm,顶端尾尖,基部楔形或近圆形,上面无毛,叶背被长柔毛,无柄;叶舌长 1.8~3.8 cm,密被长柔毛。穗状花序圆柱形,长 26~52 cm,径 16~23 cm;花序轴密被长柔毛;苞片狭卵形,长 4.5~5.5 cm,宽 1.5~2 cm,内面有花 6 朵,稀 2~5 或 7~8 朵。小苞片长 1.5~3.5 cm;花萼长 4.4~4.8 cm;花冠管白色,长 5.2~6 cm,裂片淡绿色,线形,长 3.5~4.2 cm;侧生退化雄蕊白色,长 2.5~3 cm;唇瓣近圆形,白色,中央和基部淡黄色,长 2~2.2 cm,宽 1.8~2 cm,深 2 裂,基部具瓣柄;花丝白色,长 5.8~6.8 cm;花药白色,长 1~1.5 cm;子房密被长柔毛,长 4~5 mm。蒴果长卵形,具钝三棱,长 2.5~4 cm,被长柔毛;种子红色。

本种与田林姜花 *H. tienlinense* D. Fang 相近,但叶舌密被长柔毛,穗状花序长 26~52 cm,苞片狭卵形,长 4.5~5.5 cm,内有 6 朵花,花冠裂片长 3.5~4.2 cm,花丝白色,长 5.8~6.8 cm,花药白色,易于区别。